

ABSTRACT OF DISCLOSURE

Image signals output from a linear image sensor which outputs charges accumulated in pixels in the right-side area and charges accumulated in pixels in the left-side area via different channels are subjected to discrepancy correction. First, a gray reference board is scanned by the linear image sensor while changing charging periods, and look up tables for converting signal levels of the respective channels are generated on the basis of signal levels obtained by scanning the gray reference board. A discrepancy correction is realized by converting levels of image signals output from the two terminals using the look up tables.

15